

## Loop Powered 4..20 mA LED-displays, model 301 and 305

- For process input 4-20 mA
- Without external power supply
- Loop resistance 240 ohm only
- 4-digit processor based display
- Scaling on front panel
- 2 settable alarms (option)
- Pass words for alarms and configuration
- ABS-case rating IP 65, size:
 

<b>Models 301 &amp; 302</b>	<b>100 x 100 x 57 mm</b>
<b>Models 305 &amp; 306</b>	<b>80 x 80 x 57 mm</b>



Autopowered bright red LED-displays need no external power supply. Current signal 4-20 mA provides the necessary energy. Therefore, it is possible to install the meter in places having no auxiliary power available. You can now replace the autopowered LCD-displays, having very poor visibility, by bright red LED-displays.

There are four models according to optional alarms and plastic case (ABS) IP65 size: 100 x 100 mm basic model 301 without alarms and model 302 with two alarm contacts. Correspondingly models 305 and 306 are in 80 x 80 x 57 mm case. Both size versions have same functions.

Display scaling and configuration by front panel buttons. Unit has digital filter for stabilizing the 4-digit display. In models 302 and 306 You may configure two optional alarms, high and low. Password is settable for entering configuration and alarm stages.

### Technical specifications:

Input	4..20 mA, linear or square root
Display scaling	-999....+9999
Desimal point	Freely selectable
Accuracy	0.05% of span
Input resistance, 301/305	240 ohm (voltage drop= 4,8V)
- with alarms, 302/306	370 ohm (voltage drop =7,3 V)
Alarm relays (option)	2 solid state relays (SSR), max. 250 VAC, 150 mA
Alarm mode	High and low level
Hysteresis	Selectable 0..100 %
Display	4-digit red LED, 14.5 mm, adjustable brightness
Push buttons	Switches under front panel
Case protection	IP65
Case material and color	ABS-plastic, grey
Ambient temperature	0...+60 °C
Terminals 301/302	Detachable 2,5 mm <sup>2</sup>
305/306	Detachable 1,5 mm <sup>2</sup>
Weight	200 g

### Ordering examples:

301-4/20	Basic model, case 100 x 100 x 57 mm
302-4/20	With alarms
305-4/20	Basic model, case 82 x 80 x 57 mm
306-4/20	With alarms

